

Serial No. 10/670,805  
Atty. Doc. No. 2002P17355US

Amendments To The Claims:

Please amend the claims as shown. Applicant reserves the right to pursue any canceled claims at a later date.

1. (currently amended) A turbine vane for a turbine for generating electrical energy, comprising:

a hollow sectional element which extends radially with respect to the a rotor and which has a transverse platform at each of its ends, whereby the sectional element is surrounded by hot working medium;

a hollow inset, located in the sectional element, which stretches between the two platforms having a certain distance from the inside of the sectional element and having a base which faces one of the two transverse platforms;

a coolant flowing in radially through the other platform into the a hollow space of the inset and at least partially flowing out through baffle cooling openings provided on the inset aligned to the inside; and

a recess that is provided in the platform located immediately opposite the base, wherein the inset stretches into the recess so that areas to establish zones in an extension of the inset with having reduced predefined flow rates present for forming defining a particle trap in the a base area of the inset.

2. (currently amended) A The turbine vane according to Claim 1, wherein the base has at least one outlet opening for the coolant to produce a defined pressure gradient in the base area.

3. (currently amended) A The turbine vane according to Claim 1, wherein the inset in the base area is set at a distance from the recess so that appropriate outflow cross-sections are available for the coolant.

4. (currently amended) A The turbine vane according to Claim 1, wherein the recess is formed as a platform penetration which can be sealed from the outside by means of a cover plate.

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5. (currently amended) A The turbine vane according to Claim 4, wherein the cover plate is welded to the platform from the outside.

6. (currently amended) A The turbine vane according to Claims 2, wherein the outlet opening is a drill hole.

7. (currently amended) A The turbine vane according to Claim 6, wherein the outlet opening has a larger hole diameter than the baffle cooling openings.

8. (currently amended) A The turbine vane according to Claim 6, wherein the hole diameter of the outlet opening is between 1 mm and 3 mm.

9. (currently amended) A turbine comprising:  
a compressor section for compressing air;  
a combustion section for receiving the air and a fuel and combusting the fuel/air mixture to generate a working gas;

a turbine vane adapted for receiving the working gas comprising:  
a hollow sectional element which extends radially with respect to the a rotor and which has a transverse platform at each of its ends, whereby the sectional element is surrounded by hot working medium;

a hollow inset, located in the sectional element, which stretches between the two platforms, having a certain distance from the inside of the sectional element and having a base which faces one of the two transverse platforms;

a coolant flowing in radially through the other platform into the a hollow space of the inset and at least partially flowing out through baffle cooling openings provided on the inset aligned to the inside; and

a recess that is provided in the platform located immediately opposite the base, wherein the inset stretches into the recess ~~so that areas to establish zones in an extension of the inset with having reduced predefined flow rates present for forming~~ defining a particle trap in the a base area of the inset.

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10. (currently amended) ~~A~~ The turbine vane for a turbine according to Claim 1, wherein the turbine is a gas turbine.

11. (currently amended) ~~A~~ The turbine vane according to Claim 2, wherein the inset in the base area is set at a distance from the recess so that appropriate outflow cross-sections are available for the coolant.

12. (currently amended) ~~A~~ The turbine vane according to Claim 2, wherein the recess is formed as a platform penetration which can be sealed from the outside by means of a cover plate.

13. (currently amended) ~~A~~ The turbine vane according to Claim 3, wherein the recess is formed as a platform penetration which can be sealed from the outside by means of a cover plate.

14. (currently amended) ~~A~~ The turbine vane according to Claim 3, wherein the outlet opening is a drill hole.

15. (currently amended) ~~A~~ The turbine vane according to Claim 4, wherein the outlet opening is a drill hole.

16. (currently amended) ~~A~~ The turbine vane according to Claim 5, wherein the outlet opening is a drill hole.

17. (currently amended) ~~A~~ The turbine with a turbine vane according to Claim 9, wherein the base has at least one outlet opening for the coolant to produce a defined pressure gradient in the base area.

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18. (currently amended) A The turbine with a turbine vane according to Claim 9, wherein the inset in the base area is set at a distance from the recess so that appropriate outflow cross-sections are available for the coolant.

19. (currently amended) A The turbine with a turbine vane according to Claim 9, wherein the recess is formed as a platform penetration which can be sealed from the outside by means of a cover plate.

20. (new) The turbine vane according to claim 1, wherein the zone is a standing eddy where the flow rate is approximately zero.

21. (new) The turbine with a turbine vane according to claim 9, wherein the zone is a standing eddy where the flow rate is approximately zero.